

ORDER FOR SUPPLIES OR SERVICES										PAGE 1 OF 22	
1. CONTRACT PURCH ORDER/AGREEMENT NO. W56HZV-04-A-0005			2. DELIVERY ORDER/CALL NO.		3. DATE OF ORDER/CALL (YYYYMMDD) 2004MAR26		4. REQUISITION/PURCH REQUEST NO. SEE SCHEDULE		5. PRIORITY DOA4		
6. ISSUED BY TACOM WARREN AMSTA-AQ-AHLC KATHLEEN PAPPAGEORGE (586)574-8054 WARREN, MICHIGAN 48397-5000 EMAIL: PAPPAGEK@TACOM.ARMY.MIL HTTP://CONTRACTING.TACOM.ARMY.MIL			CODE W56HZV		7. ADMINISTERED BY (If other than 6) DCMA HUNTSVILLE BIRMINGHAM GROUP BURGER PHILLIPS CENTER 1910 THIRD AVE. NORTH, RM 201 BIRMINGHAM, AL 35203-2376			CODE S0101A		8. DELIVERY FOB <input type="checkbox"/> DESTINATION <input checked="" type="checkbox"/> OTHER (See Schedule if other)	
9. CONTRACTOR SVERDRUP TECHNOLOGY, INC. 2010 LEWIS TURNER BLVD FORT WALTON BEACH, FL. 32547-1352			CODE 7W309		FACILITY		10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) SEE SCHEDULE			11. X IF BUSINESS IS <input checked="" type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMAN-OWNED	
NAME AND ADDRESS TYPE BUSINESS: Other Small Business Performing in U.S.					12. DISCOUNT TERMS			13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Block 15			
14. SHIP TO SEE SCHEDULE			CODE		15. PAYMENT WILL BE MADE BY DFAS-COLUMBUS CENTER DFAS-CO/SOUTH ENTITLEMENT OPERATION P.O. BOX 182264 COLUMBUS, OH 43218-2264			CODE HQ0338		MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2	
16. TYPE OF ORDER		DELIVERY/CALL		THIS DELIVERY ORDER IS ISSUED ON ANOTHER GOVERNMENT AGENCY OR IN ACCORDANCE WITH AND SUBJECT TO TERMS AND CONDITIONS OF ABOVE NUMBERED CONTRACT.							
PURCHASE		X		Reference your <input type="checkbox"/> Oral <input type="checkbox"/> Written Quotation _____, Dated _____. furnish the following on terms specified herein.							
ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.											
<div style="display: flex; justify-content: space-between;"> <div>NAME OF CONTRACTOR</div> <div>SIGNATURE</div> <div>TYPED NAME AND TITLE</div> <div>DATE SIGNED (YYYYMMDD)</div> </div> <div style="margin-top: 10px;"> <input type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies: </div>											
17. ACCOUNTING AND APPROPRIATION DATA/LOCAL USE SEE SCHEDULE											
18. ITEM NO.		19. SCHEDULE OF SUPPLIES/SERVICE				20. QUANTITY ORDERED/ACCEPTED*		21. UNIT	22. UNIT PRICE		23. AMOUNT
		SEE SCHEDULE CONTRACT TYPE: Time-and-Materiels KIND OF CONTRACT: Service Contracts									
* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.					24. UNITED STATES OF AMERICA JUDITH K. BUSHA /SIGNED/ BUSHAJ@TACOM.ARMY.MIL (586)574-7041 BY: _____ CONTRACTING/ORDERING OFFICER					25. TOTAL \$0.00	
27a. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO CONTRACT EXCEPT AS NOTED _____											
b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE						c. DATE (YYYYMMDD)		d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE			
e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE						28. SHIP. NO.		29. D.O. VOUCHER NO.		30. INITIALS	
f. TELEPHONE NUMBER		g. E-MAIL ADDRESS				31. PAYMENT <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		32. PAID BY		33. AMOUNT VERIFIED CORRECT FOR	
36. I CERTIFY THIS ACCOUNT IS CORRECT AND PROPER FOR PAYMENT.						31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL				34. CHECK NUMBER	
a. DATE (YYYYMMDD)		b. SIGNATURE AND TITLE OF CERTIFYING OFFICER								35. BILL OF LADING NO.	
37. RECEIVED AT		38. RECEIVED BY (Print)		39. DATE RECEIVED (YYYYMMDD)		40. TOTAL CONTAINERS		41. S/R ACCOUNT NUMBER		42. S/R VOUCHER NO.	

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SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 GENERAL

The contractor, as an independent contractor and not as an agent of the Government, shall furnish the necessary qualified personnel, materials, and services not otherwise provided by the Government under the terms of this Blanket Purchase Agreement (BPA) to provide a variety of support services for the Program Executive Office for Ground Combat Systems (PEO-GCS) and its assigned Project Managers/Assistant PEOs/DPEOs. This agreement is a 5-year Blanket Purchase Agreement, for task orders to be issued on a time and materials basis. This award is isubject to the terms and conditions of GSA contract Number GS-23F-0111K.

B.2 PRICE TABLES

All fixed price rates as well as material handling rates for direct costs are located in Attachment 1, Listed as Pricing Schedule.

B.3. OTHER DIRECT COSTS

If in the Government's interest, the Contracting Officer may issue a letter to the contractor authorizing the contractor to utilize Government sources of supply (GSA Supply Schedules) for any supplies and services procured on behalf of the Government under a given task order.

If specified in a task order, allowable travel costs shall be invoiced and reimbursed in accordance with Federal Acquisition Regulation (FAR) 31.205-46.

B.5. Technical Data will be submitted as set forth in Contract Data Requirements List (DD1423)referred to as Attachment 2 for all five (5) years.

*** END OF NARRATIVE B 001 ***

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DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

C.1 BACKGROUND

C.1.1 The purpose of this effort is to provide the Program Executive Office for Ground Combat Systems (PEO-GCS) and its assigned Project Managers/Assistant PEOs/DPEOs the support required for the successful execution of their weapon system acquisition mission. This support will augment existing resources with experience and capability which is either not available or exceeds in-house capabilities.

C.1.1.1 The PEO management system is a process that continually evolves. This Statement of Work (SOW) is intended to apply to PEO-GCS and any successor organization(s), as well as any new Program/Project/Product Offices, which are assigned to PEO-GCS, or any successor. It also applies to Program/Project Offices transferred from PEO-GCS to other management organizations.

C.1.2 The contract objective is to provide the information and products necessary for the timely and cost effective management of PEO-GCS weapon systems and componentry of all Acquisition Milestones and Phases throughout the life cycle of the program, from Concept Exploration (CE) through disposal.

C.1.3 Services to be provided include support for the following disciplines: program management support, technical support, logistics support, and information technology support.

C.2.0 GENERAL

C.2.1 All work under this contract shall be performed only to the extent authorized by discrete Work Directives that have been approved by the Contracting Officer.

C.2.1.1 In accomplishing the effort under this contract, the Contractor agrees not to duplicate or otherwise provide efforts, present or future, required to be performed under any current or past Government contracts with the Contractor.

C.2.2 The Contractor, as an independent Contractor, and not as an agent of the Government, shall provide all necessary labor, materials, supplies, services, facilities, and equipment to perform the specific work and services required by individual Work Directives except in accordance with paragraph C.3.3.6.4, On-site support of Contractor Personnel.

C.2.3 The Contractor shall have access to Government data for the accomplishment of work under this contract.

C.2.4 The Contractor shall manage and control the resources necessary to ensure timely achievement of all of the requirements of this contract in the most economical manner possible. Frequent liaison and coordination shall be required with the PEO and its APEOs/Project/Product/Program Managers/DPEOs.

C.2.5 The Contractor shall be required to send personnel to OCONUS locations, as required by Work Directive.

C.2.6 The contractor shall employ a management system that emphasizes the DoD 5000 Series and interim or successor guidance/regulations, and the management philosophy of continuous process improvement in providing the information and products thereunder.

C.2.7 The Contractor shall provide input, as requested by the Government, to create scopes of work, schedule, hours, and cost projections, as appropriate.

C.2.8 The Contractor shall have in place, and available for Government review, a process/checklist for both inprocessing and outprocessing of all employees. Items addressed shall include: distribution/return of badges and keys, distribution/return of vehicle stickers if issued under the contract, TWNET and TWLAN account initiation and termination, termination of all other accounts issued for the individual, and the collection of keys. The Contractor shall maintain records of out-processed employees that shall be made available to the Government upon request.

C.2.9 The Contractor shall ensure personnel safety in all matters pertaining to biological hazards, inclusive of Anthrax and Small Pox. The Contractor shall adhere to Army Materiel Command (AMC) Anthrax Vaccination Policy and any other guidance pertaining to current or future biological hazards. Contractor shall be in compliance with AMC Vaccination Policy dated 9 Jul 02. A copy of this policy is available from the Contracting Officer.

C.3 SCOPE OF WORK

C.3.1 MEETINGS AND MINUTES

C.3.1.1 Start of Work Meeting. The Contractor shall attend a start of work meeting at TACOM, Warren NLT 30 days after contract (DAC) award.

C.3.1.2 Other Meetings. The Contractor shall attend, participate in, facilitate and/or conduct meetings when requested by the Government in accordance with a Work Directive, and in accordance with CDRL A002, Conference Minutes, CDRL A003 Conference Agenda, and

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CDRL A004, Presentation Material. Meetings may include ASA (ALT) Briefings, General Staff Meetings/Briefings and PEO/PM subject-specific meetings as directed by individual work directives. The Contractor shall prepare an agenda and submit it via email as specified in an individual work directive.

C.3.1.3 Access to Data. On request by the Contracting Officer or designated representative, the Contractor agrees to provide access to records and data generated per individual work directive. The Government shall have access and retention rights to all data (e.g. hard copy and computer files generated under this contract, and all underlying data and files) as well as reports, assessments, software programs, technical reports and analyses.

C.3.2 DOCUMENT PREPARATION

C.3.2.1 The Contractor shall prepare all documentation required by individual work directives in electronic format.

C.3.2.2 Report Preparation. Technical information will normally be supplied in report form. The Contractor, when requested, shall provide technical information, analyses, and recommendations in the form of briefings, to include preparation of chart data. This data will require interdisciplinary assessment of issues, problems, schedules and alternatives. Special data shall be required from time to time for presentation to the PEO-GCS, Tank-automotive and Armaments Command (TACOM) Command Group, Department of Army (DA), or Department of Defense (DoD) in connection with milestone and special reviews. All briefing charts and reports shall be prepared as specified in the Work Directive. Reference CDRL A004 and A005.

C.3.2.3 Monthly Reports. The Contractor shall submit monthly reports in Contractor format in accordance with CDRL A001, Performance and Cost Reports. These reports shall include individual work directive status, action items and responsible parties, outstanding issues or problems, and funds expended and remaining. The reports will be the base briefing tool utilized at the In-Process Reviews (IPR).

C.3.2.4 Other Reports, Documentation and Analyses. Other reports, documentation and analyses shall be prepared and delivered in accordance with the Work Directives. When required in accordance with a Work Directive, the contractor shall develop tools, methodologies, statistical analysis techniques, system process models, scheduling systems, and other specialized functional support to mission accomplishment.

C.3.2.4.1 When required by Work Directive, Contractor submitted reports should be in draft format and includes a series of alternatives for each recommended course of action. Supporting information detailing strong/weak points shall be included with each alternative. As specified by Work Directive, the Contractor shall review reports to reflect Government input.

C.3.2.4.2 The Contractor shall use computer software that is compatible with the hardware/software utilized by specified PEO-GCS organizations, as referenced/listed under paragraph C.3.3.6.1.

C. 3.3 PROGRAM MANAGEMENT

C.3.3.1 SUPPORT TO PROGRAM REVIEWS, DECISION MILESTONES, AND OTHER PROGRAM MANAGEMENT EVENTS

C.3.3.1.1 The Contractor shall support Program Review throughout the material acquisition process. This effort shall include all aspects of the DoD 5000, its interim guide and/or its successor guidance/regulations. At a minimum this shall include: development of contractors recommendations, reviews and analysis of program plans, acquisition strategy, acquisition baseline, analysis of alternatives, costs, schedules, budgets, life cycle support and milestone events.

C.3.3.1.2 The Contractor shall prepare graphic materials and develop draft program management documentation, participate in work groups convened in conjunction with decision reviews and prepare milestone review packages. This shall include preparation of agendas, data books and briefings to support scheduled reviews including type classification actions and post milestone review get-well plans. Reference CDRL A004.

C.3.3.1.3 The Contractor shall develop a database accessible to the Government containing milestone events, dates and action office identification. The format will be specified per Work Directive or the format will be Microsoft Office or compatible.

C.3.3.1.4 The Contractor shall prepare, conduct and analyze market surveys in accordance with DoD regulations and policy.

C.3.3.2 COST REPORTS/DOCUMENTS

C.3.3.2.1 The Contractor shall provide cost analysis and budget support. Effort includes data collection, coordination and consolidation of data, development and documentation of cost estimates, and preparation of necessary reports. The Contractor shall support the development, analysis, and reporting of Future Combat Systems (FCS) Contractor and Government cost and schedule management systems/tools. Documents shall be prepared in accordance with governing cost regulations/guidance. Reference CDRL A004 Presentation Material.

C.3.3.2.2 The Contractor shall perform the following efforts for the analysis of budget exercises and miscellaneous cost reports. Support shall include:

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- a. Providing technical assistance with, and insight into the budget preparation process.
- b. Attendance at periodic system reviews and meetings.
- c. Providing monthly updates to the PEO/PM and staff.
- d. Performance of assessments after each of the six congressional defense authorization and appropriation budget marks for the current fiscal years.
- e. Assessment of each mark for impact on the support for budget exercises and miscellaneous cost reports Program Office Estimate (POE), Selected Acquisition Report (SAR), Defense Acquisition Executive Summary (DAES), Unit Cost Report (UCR), Analysis of Alternatives (AOA), Cost Analysis Requirements Document (CARD), review of Contractor cost/schedule performance, alternative strategy comparative cost analyses, product improvement reports.
- f. Recommendation of solutions/options to any negative program impacts and/or positive opportunities, including drafting intermediary and final statutory language to resolve potential program/system impacts.
- g. Development of budget documentation to include Procurement and Research and Development (P and R) forms and Operations h. Maintenance Army (OMA) budget submissions.

C.3.3.2.3 The Contractor shall support the development of Program Objective Memorandum (POM) and other budget documents. Support shall include conducting staff coordination and liaison among PEO/PM and HQDA, OSD and JCS, and providing program plan and execution information to prepare senior leadership for congressional budget hearings response to congressional questions/issues.

C.3.3.2.4 The Contractor shall be called upon to generate data necessary for the preparation of SmartCharts and other support documentation as required by higher headquarters.

C.3.3.2.5 The Contractor shall be called upon to provide analysis and recommendations in the preparation of unfunded requirements (UFRs) and will be allowed access to appropriate Government databases, as determined by the Contracting Officers Representative (COR).

C.3.3.3 PRODUCTION PLANNING AND ANALYSES

C.3.3.3.1 The Contractor shall provide production planning and analysis support as required by Work Directive. Tasking shall include development of alternative and multi-facility production schedules, review of weapon system contractor progress/reporting in accordance with the producibility plan, review of weapon system contractor production rates, reporting and tracking of Defective Government Furnished Material (DGFM), and monitoring production baseline delivery schedules and industrial base/mobilization studies.

C.3.3.3.2 The Contractor shall provide, at a minimum, manufacturing process planning to include: integration, schedule, quality, parts status report, assembly/disassembly/procurement of spare parts for repair and/or upgrade in support of production, prevention of line stoppers and critical shortages.

C.3.3.4 ACQUISITION STREAMLINING

C.3.3.4.1 When tasked by specific work directive, the Contractor shall make assessments, reviews and recommendations regarding the impacts to PEO programs resulting from current or pending Acquisition Streamlining initiatives. These assessments, reviews and recommendations shall require proposed changes to PEO organizational structure, management processes/procedures and related activities. The Contractor shall be required to develop methodology and assess and/or document potential savings/cost avoidance associated with Federal Acquisition Streamlining initiatives.

C.3.3.4.2 Support shall include Modernization through Spares and O&S cost reductions, tradeoff analysis, cost benefit analysis and life cycle cost projections.

C.3.3.4.3 The Contractor shall assist in data/records management and database architectural designing, development, population, implementation and usage in support of program acquisition management, fleet modernization, and fleet fielding activities.

C.3.3.5 SECURITY

C.3.3.5.1 The Contractor shall adhere to the requirements of DD Form 254 (Contract Security Specification) in a Work Directive that requires working with classified information. To preserve national security interest, the Contractor shall ensure all aspects of the contract and work performed under specific Work Directives are evaluated for conformance with security procedures and standards. The contractor shall evaluate all products for security implications and prepare appropriate security documents and plans.

C.3.3.5.2 In the performance of this contract, the Contractor shall be authorized on-line access to certain Government systems as required by Work Directive. Prior to receiving access, however, the Contractor shall ensure that the personnel assigned to these tasks have been cleared to have such access through a Government security investigation. The investigation shall be completed prior to the assignment of individual(s) to the sensitive duty associated with these positions. The Contractor shall complete and forward their employee investigation (SF 85P, Questionnaire for Positions of Public Trust) and two DD Forms 258 (Fingerprint Cards) to Defense Industrial Security Clearance Office (DISCO), Columbus, OH 43216-5006. Foreign nationals shall not be granted authorization. Contractor access to the on-line systems shall be revoked if actions of the personnel assigned to these tasks are found to be clearly in conflict with the interests of the Government.

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C.3.3.5.3 The Contractor shall support the Government in the management of special security activities for designated systems throughout their developmental life cycles. The support shall require update and maintenance of programmatic database to provide data/records management of security files for classified efforts supported by PEO GCS. The Contractor shall be required to:

- a. Maintain security files using the correct handling and storage procedures as outlined in DoD and Army Regulations.
 - b. Prepare documentatin as required by regulations for closing out classified programs.
 - c. Provide input and recommendations for security procedures for classified tests to be performed.
 - d. Coordinate with other Government agencies and program contractors in order to facilitate the establishment, maintenance, and dis-establishment of Special Access Programs (SAP).
 - e. Perform independent assessments of security related activities at program facilities, which handle and store program material and recommend corrective action when necessary.
 - f. Attend quarterly security reviews, inspectoins and audits. Attendance shall require travel to various program contractor and government locations.
 - g. Identify herself/himself as a contractor at all meetings.
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C.3.3.5.4 The Contractor shall support the Government in ensuring that all aspects of security are maintained on developmental systems during all activities that shall include or involve: field tests and evaluations, test site surveys, relevant test data maintenance and reductions, and limited test site security and test site administration activities.

C.3.3.5.5 The Contractor shall provide security support to the Government in preparation of all program documents, reports, and briefing materials.

C.3.3.5.6 All work of a SECRET or TOP SECRET nature shall be performed either at a Government location, or a facility with appropriate clearance. The Procuring Contracting Officer for TOP SECRET Work Directives under this contract shall be located in the Secure Environment Contracting Cell at the U.S. Army Tank-automotive and Armaments Command in Warren, Michigan.

C.3.3.5.7 Individual Work Directives specifying classified work shall require the issuance of a DD Form 254, Contract Security Classification Specification, by the Contracting Officer. Contractor performance in support of Work Directives requiring classified effort shall be in conformance with DD Form 254.

C.3.3.6 ADMINISTRATIVE SUPPORT

C.3.3.6.1 The Contractor shall provide administrative support and liaison. Tasks shall include: preparation of briefing charts, coordination and planning for government activities, including meetings, trips, developing and implementing database programs to track and report on activities/projects, and any other administrative efforts required by the Government to support ongoing program activities. These tasks require a working knowledge of software programs such as MS Office, Lotus Smartsuite, and Windows, or equivalent/successor programs.

C.3.3.6.2 The Contractor shall provide liaison support. Support shall include locating employees at major customers locations to serve as a liaison between PEO customers and Government activities. Liaison support shall include advice, briefings, attendance at meetings, facilitation of discussions between customers and Government, elevation of concerns/findings to higher management, and attendance at training/seminars as required by Work Directive.

C.3.3.6.3 The Contractor shall advise and brief the program staff on the automated tools required in order to prepare standard briefings and expansion of standard briefing capabilities. The Contractor shall track suspense actions using an automated tracking database, and shall update and maintain the program office web page for individual acquisitions of that office.

C.3.3.6.4 On-site support of Contractor Personnel - For certain tasks, as set forth in individual Work Directives, Contractor personnel shall be required to be located on Government premises. In those situations, the Government shall be responsible for providing office space, computer, IT, and telephone access necessary for the Contractor to perform the requirements of the task. Computer resources remain the property of the Government and under the responsibility of the Government hand receipt holder. The Contractor shall charge the Government on site overhead rates as set forth in its proposal for such on-site personnel. Under certain Work Directives the government may approve the use of interagency fleet management system (IFMS) vehicles in accordance with FAR 52.251-2, entitled Interagency Fleet Management System Vehicles and Related Services dated Jan 1991which reads as follows: The Contracting Officer may issue the Contractor an authorization to obtain interagency fleet management system (IFMS) vehicles and related services for use in the performance of this contract. The use, service and maintenance of interagency fleet management system vehicles and the use of related services by the Contractor shall be in accordance with 41 CFR 101-39 and 41 CFR 101-38.301-1. 41 CFR 101-39 and 41 CFR 101-38.301-1

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references can be accessed at <http://www.access.gpo.gov/nara/cfr>.

C.3.3.7 Training

C.3.3.7.1 The Contractor shall coordinate/facilitate training classes for the government in various areas related to the PEO programs under this contract.

C.3.3.7.2 The Contractor shall research, collect and define training support and training support infrastructure requirements. Training shall include field artillery needs for training, new technologies, leveraging technology and C4ISR distance learning.

C. 3.4 TECHNICAL

C.3.4.1 SYSTEMS INTEGRATION (SI)

C.3.4.1.1 The purpose of the SI Program is modernization of the battlefield through integration of common technology across weapon platforms. When instructed by specific work directive, the Contractor shall prepare recommendations to assist the Government in the evaluation of potential improvements with respect to system functionality and affordability. Potential improvements will consider survivability, mobility, lethality, sustainability, performance, operating and support cost reduction, and value engineering. Support will include Modernization Through Spares (MTS) and O & S Cost Reductions (OSCR), tradeoff analysis, cost benefit analysis, and life cycle cost projections.

C.3.4.2 EMERGING TECHNOLOGIES

C.3.4.2.1 The Contractor, when specifically tasked by a discrete Work Directive, shall closely monitor and assess relevant state of the art technological innovations (e.g., emerging technologies) for potential SI program impacts and/or application. The Contractor shall inform the Government of any identified technological opportunities, to include recommendations for further analysis and suggested applications. This effort will include identification and analysis of any possible shared technology opportunities.

C.3.4.2.2 The Contractor shall assess, evaluate and make recommendations on technology development opportunities for current and future ground systems. The Contractor shall be required to provide management expertise to the PEO/PM Offices toward implementing DoD/DA policy and guidance and for implementing programs, documents and reports relating to technology development and applications.

C.3.4.2.3 The Contractor shall evaluate the producibility of the proposed SI technologies and identify and evaluate producibility issues to assess their impact on economic feasibility of production.

C.3.4.2.4 The Contractor shall evaluate, prepare recommendations, and execute work directives to support the Government in the development and implementation of the Future Combat System of Systems. This effort shall include, as a minimum, engineering support in requirements, specifications, design, manufacturing, test and evaluation, and lifecycle cost.

C.3.4.3 TRADE-OFF ANALYSES

C.3.4.3.1 When required by Work Directive, the Contractor shall perform Trade-Off analyses. The analysis may be for any system or effort within PEO-GCS requiring this type of analysis.

C.3.4.4 PRODUCT ASSURANCE AND TEST SUPPORT

C.3.4.4.1 Test Plan

C.3.4.4.1.1 The Contractor shall prepare, coordinate inputs, and submits draft project/program Test and Evaluation Master Plans (TEMPs) and related documents for Government review. The Contractor shall make all required revisions and maintain updated documents as stated in the Work Directive. Reference CDRL A006.

C.3.4.4.1.2 The Contractor shall attend and participate in Test and Evaluation IPT meetings. Reference CDRL A002.

C.3.4.4.2 Test Support

C.3.4.4.2.1 The Contractor shall provide technical and administrative support at government/contractor test sites. Support provided to the Contracting Officers Representative (COR) and Functional Technical Representatives (FTRs) will include daily monitoring of Government Furnished Equipment (GFE), office equipment, on-going testing, coordination of testing activities, attendance at test meetings, coordination of visits/briefings, and provision of daily test incidents/report summaries as required by Work Directive.

C.3.4.4.2.2 The Contractor shall collect all Test Incident Reports (TIRs) prepared by Government and Contractor test agencies, schedule, attend and participate in TIR Review and Close-out Meetings, and monitor progress and report status of failure analysis through close-out as required by Work Directives.

C.3.4.4.2.3 The Contractor shall maintain surveillance of test activities through on-site representation at test sites. Surveillance

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may include monitoring test progress, test and test support equipment condition, availability of repair parts and equipment repair status, and other similar test-related activities. Attendance at meetings or briefings and/or surveillance reports shall be submitted as required by Work Directive.

C.3.4.4.2.4 System Support Package. When requested, the Contractor shall prepare and provide a System Support Package (SSP) Components List(s) (SSPCL). The list shall include all required components for test support. The SSPCL shall identify existing Government tools and test equipment to the maximum extent possible. The SSP shall consist of all items on the SSPCL. The SSP requirements include repair parts, technical manuals, Basic Issue Items (BII), common and special tools, and test equipment. The Contractor shall procure, assemble, furnish, and ship (to include packing, packaging, and transportation) the SSP to the appropriate test site within the time required by the Work Directive. The Contractor shall track the consumption and maintain control of the SSP.

C.3.4.5 MATERIEL RELEASE SUPPORT

C.3.4.5.1 The Contractor shall prepare materiel release packages in accordance with applicable Army regulations; coordinate timely receipt of documentation, and present status briefings as required by Work Directive.

C.3.4.6 QUALITY ASSURANCE SUPPORT

C.3.4.6.1 The Contractor shall provide quality assurance and quality engineering support as required by Work Directive. Tasking will include development of quality requirements, production and field quality assurance, inspection considerations, maintenance evaluations, review and analysis of armor weld procedures, development of fastener requirements, compliance analysis, monitoring tests, review of weapon system contractor quality assurance systems, participation in quality audits, review and analysis of electrical and electronic workmanship, and review and analysis of manufacturing processes.

C.3.4.7 SURVIVABILITY

C.3.4.7.1 The Contractor shall conduct analyses and studies of the PEO, GCS systems relating to the overall Survivability and Countermeasures inherent to each design and Engineering Change Proposals (ECPs). The Contractor shall provide technical support, trade-off and cost studies, test planning support, computer analysis and simulation support, and also develop recommended options for Government survivability planning considerations. These support and analysis tasks, at a minimum, shall include the following Survivability and Countermeasure areas:

1. Directed Energy Threat Analysis
2. Ballistic Protection Analysis
3. Unplanned Stimuli Effects Analysis
4. Compartment Level Vulnerability Analysis
5. Optical, Radar/Millimeter Wave (MMW), Infrared, and Acoustic Signatures
6. Vehicle and Component Ballistic Shock Analysis
7. Nuclear Effects Survivability Analysis
8. Automatic Fire Extinguishing Systems Analysis
9. Computer, Communications and Electronics Analysis

C.3.4.7.2 The Contractor shall identify a focal point for interface with the Government in all matters relating to the management and execution of the Survivability and Countermeasure efforts.

C.3.4.8 MOBILITY

C.3.4.8.1 The Contractor shall conduct analyses and studies of the PEO GCS systems relating to the overall Mobility inherent to each design and Engineering Change Proposal (ECP). The Contractor shall provide technical support, trade-off and cost studies, test planning support, computer analysis and simulation support, and also develop recommended options for government mobility planning considerations. These support and analysis tasks, at a minimum, shall include the following Mobility areas:

- a. Track
- b. Wheels
- c. Suspensions
- d. Propulsion Systems (Diesel, Turbine, Hybrid)
- e. Transmissions

C.3.4.8.2 The Contractor shall identify a focal point for interface with the Government in all matters relating to the management and execution of Mobility efforts.

C.3.4.9 LETHALITY

C.3.4.9.1 The Contractor shall conduct analyses and studies of the PEO GCS systems relating to the overall Lethality inherent to each design and Engineering Change Proposal (ECP). The Contractor shall provide technical support, trade-off and cost studies, test planning

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support computer analysis and simulation support, and also develop recommended options for Government lethality planning considerations with regard to the entire weapon system(s).

C.3.4.10 STANDARDIZATION

C.3.4.10.1 The Contractor shall prepare an overall Standardization Program Plan for selected systems/subsystems when specified by Work Directive. The plan shall emphasize commonality of parts, components, and subcomponents. The plan shall conform to the Army's Implementation Plan (AIP).

C.3.4.10.1.1 For each task that involves the creation, review, or change of data, the Contractor shall identify references to MILSPECS/STDs and shall recommend changes to equivalent commercial specifications/standards in accordance with the goals of the AIP, TACOM's corresponding Master Action Plan (MAP), and Blueprint for Change.

C.3.4.11 SPECIFICATION AND STANDARD REVIEW

C.3.4.11.1 The Contractor shall identify references to MILSPECS/STDs and shall recommend changes to equivalent commercial specifications/standards and waiver justification as required by Work Directive. The Contractor shall convert existing military specifications to performance specifications and prepare new specifications from user documentation as required in support of PEO GCS assigned systems.

C.3.4.12 CONFIGURATION MANAGEMENT (CM)

C.3.4.12.1 The Contractor shall prepare a CM Plan, as specified in the individual Work Directive. The plan shall be in Contractor format using MIL-STD-973 as guidance. The CM Plan shall emphasize commonality in hardware/software, parts subcomponents, components, and documentation. The CM Plan shall define procedures for establishing configuration baselines of the program. The CM Plan shall be prepared in Contractor format using DI-CMAN-80858 as guidance. The plan shall be submitted to the COR for review and approval.

C.3.4.12.2 The Contractor shall provide recommendations and analyses for all aspects of Configuration Management to include control of configuration for logistics and maintenance for PEO GCS programs. The Contractor shall review the CM efforts of designated Contractors.

C.3.4.12.3 The Contractor shall use Army Regulation AR 70-37 and appropriate TACOM, AMCOM or other major subordinate commands supplements (as specified by Work Directive) for CM guidance and direction to provide configuration control procedures for the GCS program. The CM process shall be carefully tailored to the quality, size, scope, stage of life cycle, nature, and complexity of the Configuration Item (CI) involved, whether the CI is developed at Government expense, or privately developed and offered for Government use, and whether the CI is new or in development, production, or operational inventory.

C.3.4.12.4 The contractor shall manage/maintain Technical Data Packages (TDP), digitize drawings in a consistent electronic format, clean up legacy data, and establish virtual databases.

C.3.4.13 MODELING AND SIMULATION (M&S)

C.3.4.13.1 The Contractor shall provide recommendations and guidance in the application of M&S capabilities. The Contractor shall support Government efforts to identify and validate Commercial Off the Shelf M&S applications and technologies. The Contractor shall perform detailed engineering analyses, using M&S, of PEO systems and major sub-systems to qualify the system/major sub-system capability to meet both technical and operational requirements.

C.3.4.13.2 The Contractor shall use PEO GCS system/sub-system development Contractor data, as well as other Government Furnished Information (GFI) for analyses. The Contractor shall, through the use of high fidelity M&S, quantify the technical and operational benefits and burdens of mobility, lethality, and survivability enhancements to PEO GCS managed ground combat and non-combat systems in terms of structural integrity, system level sustainability, and force level effectiveness.

C.3.4.13.3 M&S applications shall not be limited to stand alone capabilities, but shall provide for interactive simulation in support of Advanced Warfighting Experiments (AWEs), DA Battle Labs, Marine Corps. Warfighting Lab (MCWL) or other service Battle Labs experiments, and field exercise preparations/executions.

C.3.4.13.4 The Contractor shall assess, evaluate and make recommendations on modeling and simulation program policies, guidance, plans and reports. The Contractor shall support government efforts towards implementing policy, guidance and program management documents that include modeling and simulation related support plans.

C.3.4.13.5 The Contractor shall provide programming, modeling and simulation services to facilitate the optimization of fleet investment decisions and documentation in light of Army and DoD Warfighting needs.

C.3.4.13.6 The Contractor shall support Government Force on Force modeling efforts such as those parts of an Analysis of Alternatives. This effort shall include, as a minimum, providing Force on Force model inputs (i.e. vehicle characteristics), identifying measures of performance, analyzing outputs, and developing scenarios to represent System of Systems effectiveness. The Contractor will coordinate

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these efforts with TRADOC Analysis Centers and AMSAA.

C.3.4.14 NUCLEAR, BIOLOGICAL, AND CHEMICAL (NBC) ANALYSIS

C.3.4.14.1 The Contractor shall assess, evaluate, and make recommendations on the system/platform designs compliance with Nuclear (residual), Biological, and Chemical protection/detection, contamination, survivability, and life support requirements. The Contractor shall assist in planning and execution of compliance audits of contractors and preparation of technical requirements. This effort shall include:

- a. Test planning and test monitoring involving Chemical/Biological (CB) warfare agent simulants and surety materials.
- b. CB test review, documentation, procedures and data analysis.
- c. Assessment of system configuration (design) for crew NBC Protection/Detection, life support and for NBC contamination survivability.
- d. Trade-off determination and analysis of system configurations.
- e. Draft preparation of program and technical presentations and reports.
- f. Recommendations regarding program coordination and program management.
- g. Assessment of software interface and compliance with configured Contractor system NBC items.

C.3.4.15 ENVIRONMENTAL PROGRAM MANAGEMENT

C.3.4.15.1 The Contractor shall provide Environmental Engineering/Technical Management services as specified by Work Directive. The support shall include keeping apprised of environmental rules and regulations regarding materials, processes and procedures affecting the PEO and PMs missions, and making recommendations to the PMs and PEO regarding necessary changes to materials, processes and procedures to ensure that the PEO and PMs conduct an effective and compliant environmental program.

C.3.4.15.2 The Contractor shall prepare all necessary Environmental documentation in support of PMs and as required to achieve compliance with DoD/Federal/State/Local Environmental, Health and Safety rules and regulations, and also with Executive Orders, DoD and Army rules, regulations and requirements.

C.3.4.15.3 The Contractor shall conduct environmental site surveys as specified by work directive in support of PEO programs.

C.3.4.16 DIGITIZATION

C.3.4.16.1 The Contractor shall be required to make assessments, recommendations and provide engineering support for development and implementation of the Future Combat Systems, Systems of Systems communication architecture. This effort will include communications networking at the soldier, family of systems and system of systems level. As a minimum, these assessments and recommendations shall include the following functional areas:

- a. System Architectures and Associated Elements
- b. Communications and Interoperability
- c. Integration of Digitization with Systems Integration (SI) Technologies

C.3.4.17 VALUE ENGINEERING (VE)/OPERATING AND SUPPORT COST REDUCTION (OSCR)

C.3.4.17.1 The Contractor shall provide support to PEO/PMs VE/OSCR programs as directed by specific work directive(s). Tasks shall require design, prototype, test, trial fit, low rate production, and identification of candidates for VE or OSCR utilizing logistics feedback.

C.3.4.18 SYSTEMS ENGINEERING/TECHNICAL MANAGEMENT

C.3.4.18.1 The Contractor shall provide support to PEO/PM systems engineering/technical management tasks as directed by specific work directive(s). Support shall consist of: trade-off-studies, effectiveness analyses, risk management, configuration management, interface management, data management, performance measurements, technical review, requirements analysis, engineering analysis of hardware/software configuration, and functional analysis. Support shall include transforming architecture (functional to physical), defining alternative system concepts, configuration items and system elements, selecting preferred product and process solutions, and define/refining physical interfaces.

C.3.4.19 ENGINEERING AND DESIGN ANALYSIS

C.3.4.19.1 The Contractor shall provide engineering analysis, design and testing support as required by Work Directive in support of PEO assigned weapon systems to include tear-down, installation, inspection, procurement of repair parts/kits, and recommended fixes. This support shall include failure analysis, engineering design review for lifecycle cost reductions, and product change analysis of components and end items. The Contractor shall provide component and vehicle testing, design analysis, design layout and simulation,

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prototype build, and delivery of recommended design changes to the Government, which encompasses the entire technical range as represented by the products managed by the PEO.

C. 3.5. LOGISTICS

C.3.5.1 RELIABILITY, MAINTAINABILITY, AVAILABILITY (RMA) PROGRAM SUPPORT

C.3.5.1.1 The Contractor shall support the RMA Program Management as specified by Work Directive. Tasks will require analysis of data, review and critique of program plans, conference/meeting participation, audit of Contractor field failure analysis and corrective action program, and research/fact finding/alternative solutions for performance or reliability issues. Contractor will make final recommendations to the FTR, or Program Office as specified by Work Directive.

C.3.5.2 LOGISTICS MANAGEMENT/PERFORMANCE BASED LOGISTICS (PBL)

C.3.5.2.1 INTEGRATED SUPPORT PLAN (ISP)

C.3.5.2.1.1 The Contractor shall prepare/update an ISP for defined system configuration as required by work directive. Tasking shall include description of the overall Integrated Logistics Support (ILS) program including all ILS program requirements, tasks, and milestones for the current acquisition phase as required by Work Directive.

C.3.5.2.1.2 The Contractor shall provide the 10 individual logistic support elements to acquire, field, and support Army systems. The ILS elements are:

- Maintenance planning.
- Manpower and personnel.
- Supply support.
- Equipment support.
- Technical data.
- Training and training support.
- Computer resources support.
- Facilities.
- Packaging, handling, storage, and transportation.
- Design interface.

C.3.5.2.1.3 Logistics Documentation. The Contractor shall prepare other logistics acquisition documents as specified in the DoD 5000 series or interim or successor guidance/regulations, following the applicable Army regulations/pamphlets as required by Work Directive.

C.3.5.2.1.4 ILS Management Support. The Contractor shall provide other ILS management support as required by work directive. Tasking shall include representation at engineering design reviews; participation in diagnostics strategy meetings; development of ILS Assessments for the 10 elements of ILS and participation at Integrated Logistics Support Management Team (ILSMT) meetings in support of the system being acquired. This support may take place in CONUS or OCONUS locations, as required by the individual Work Directive. If effort is required in an OCONUS location, then all applicable Status of Forces Agreement (SOFA) compliances and approvals must be obtained. These compliances and approvals are necessary for those individuals travelling OCONUS, and must be completed for each traveler and for each trip.

C.3.5.2.2 INTEGRATED LOGISTICS SUPPORT/ MANPOWER AND PERSONNEL INTEGRATION (MANPRINT)/HUMAN SYSTEMS INTEGRATION (HSI) PROGRAM

C.3.5.2.1 The Contractor shall be required to perform ILS/MANPRINT/HSI functions such as those listed below. Specified tasks performed by the weapon system contractors shall be assessed/evaluated. The Contractor shall monitor, recommend, and integrate ILS/MANPRINT/HSI documents. PEO GCS program goals include:

- a. Minimize external Test Measurement and Diagnostic Equipment (TMDE).
- b. Maximize Built-In Test and Test Equipment (BIT/BITE).
- c. Maximize forward replacement of components.
- d. Consideration of Operation and Support Costs (O&S), cost savings, and ease of maintenance as critical elements in the design phase.
- e. System designs, which emphasize commonality, modularity, and interchangeability of major components to simplify maintenance, logistics, and training burdens.
- f. Identify system, manpower, personnel, training, and soldier survivability requirements.

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- g. Support hands-on demonstrations such as logistics demonstrations or participate in technical manual validation/verification.
- h. Support or provide computer simulations to accomplish ILS/MANPRINT/HSI goals.
- i. Support and/or coordinate User Jury Review for design influence.

C.3.5.2.2 The Contractor shall coordinate the MANPRINT program for the assigned PM to ensure incorporation of all seven domains of the MANPRINT (i.e., Manpower, Personnel, and Training (MPT), System Safety (SS), Human Factors Engineering (HFE), Health Hazard (HH), and Soldier Survivability (SSV)) into the program. The Contractor shall conduct the MANPRINT Joint Working Group (MJWG) meetings and oversee preparation of MANPRINT related documentation as required by Work Directive.

C.3.5.2.3 Total Package Fielding (TPF). When tasked by a specific Work Directive, the Contractor shall perform activities in support of the Project Manager's Total Package Fielding (TPF) efforts. Activities shall require representation at reviews/meetings, development of integrated fielding plans, and support to TPF sites.

C.3.5.2.4 The Contractor shall support the system managers through the development and sustainment of Logistics Projection Worksheets for PEO systems.

C.3.5.2.5 The Contractor shall prepare item documentation to include Basis of Issue Plans (BOIP) feeder data, Materiel Release Order (MRO) documentation and System Interchange documentation.

C.3.5.2.6 The Contractor shall examine other ILS/MANPRINT/HSI support alternatives as required by Work Directive. Alternatives shall be fully documented and must show improvement in terms of operational availability and/or life cycle costs over the current design or system.

C.3.5.2.7 The Contractor shall be responsible for identifying and requesting Government Furnished Equipment (GFE) needed for contract performance. The Contractor shall be responsible for determining the adequacy of GFE and shall notify the Government of any deficiencies. The Contractor shall report logistic support problems or risks associated with GFE.

C.3.5.2.8 The Contractor shall identify the need for facilities to support the equipment being procured. When analysis indicates a need for facilities, either new or increased, the Contractor shall apprise the Government with recommendations.

C.3.5.2.9 The Contractor shall analyze, design, develop, verify, integrate, and test specified systems to ensure capability of meeting transportability requirements. The Contractor shall conduct transportability analyses to ensure that the specified system is transportable by highway, rail, marine, and air modes. The specified system shall meet lifting and tie-down requirements.

C.3.5.2.10 The Contractor shall provide hardware fielding and training support CONUS/OCNUS as required by Work Directive. This effort shall include preparation and updating of technical manuals, New Equipment Training (NET), sustainment training, embedded training devices, instructor and key personnel training, and provision of software/hardware training for mockup, simulators and development of training aids.

C.3.5.2.11 The Contractor shall be called upon to support the individual PMs in FMS Case Management and International Cooperative Agreements. This effort shall include position papers on foreign interests, information papers, licensing and commercial lease actions, drafting of special release actions, case pricing, configuration alternatives, total fielding packages, training, technology transfer research, coordination of visits by foreign nationals, and drafting Memorandums of Understanding (MOUs).

C.3.5.3 CONTRACTOR SUPPORT DURING CONTINGENCY OPERATIONS

C.3.5.3.1 The potential exists that a deployment shall be required by Contractor personnel to support a Major Regional Contingency and/or other hostile action in an OCONUS location. Upon notification by the Contracting Officer, the Contractor shall be prepared to deploy personnel, spare and repair parts, equipment, supplies, and materiel in support of the contingency deployment operations with 48 hours. The Government will provide transportation of personnel and materiel to the deployment sites in accordance with the Work Directive.

C.3.5.3.1.1 The deployment of Contractor personnel into the theater of operations in support of a contingency shall be in accordance with the "Contractor Support in the Theater of Operations Desk Book Supplement", dated 28 Mar 01, <http://web2.deskbook.osd.mil/data/0001qzdoc.doc>.

C.3.5.3.1.2 Other available guidance is found in Army Regulation 715-9, contractors Accompanying the Force, October 29, 1999, Field Manual 3-100.21, contractors on the Battlefield, March 2000, Department of the Army Pamphlet (DA PAM) 715-16, Procurement, Contractor Deployment Guide, February 27, 1998, and AMC-P 715-18, Army Material command (AMC) Contracts and Contractors Supporting Military Operations, June 2000.

C. 3.6 INFORMATION MANAGEMENT

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C.3.6.1 INTEGRATED BUSINESS ENVIRONMENT (IBE) / INTEGRATED DATA ENVIRONMENT (IDE)

C.3.6.1.1 The purpose of IBE is to link the Warfighter, TACOM internal business processes, and our government and industry partners in a boundary-free, real-time seamless environment known as Virtual Enterprise. This Virtual Enterprise allows for the dynamic real-time flow of information between PEO/Program Management Offices (PMOs), contractors, and the principal organizations with which they do business. The desired end-state is to operate exclusively using digital products and processes, and share and reuse data with each other to create the ultimate IBE. When instructed by specific Work Directive, the Contractor shall provide support to accomplish goals set forth for development and implementation of an IBE within the PEO-GCS and its interfacing associates (PEOs, PMs, MSCs, other commands, services and industry). The IDE represents the end-state of an IBE that focuses on data accessibility, manipulation, and management.

C.3.6.1.2 The Contractor shall provide application-programming support, data administration and maintenance for utilization of digital data information in support of DoD and commercial policies and plans. The Contractor shall also develop, integrate and upgrade the system in accordance with local PEO/DOIM/CIO policies. The APEO is the top-level approver for all PEO-GCS Information Technology (IT) architecture, and will have Technical Design approval authority over the configuration of a new/upgraded system. All system designs must conform to DA/NETCOM architecture and policies, in order to ensure the system is designed to fit into the PEOGCS architecture and the TACOM Enterprise Architecture Strategy. The contractor shall perform all planning and implementation for any meetings such as IPTs, Working Groups, etc. The Contractor shall host Design Review Meetings with the PEO-CIO at designated points in the System Life Cycle. Design Review Meeting dates will be determined after award of the contract.

C.3.6.1.3 The Contractor shall support the development, coordination and implementation of IBE/IDE and related standards, specifications, implementation and migration plans to include:

- a. Support for business process reengineering activities.
- b. Support for electronic commerce.
- c. Support for UNIX servers (DEC and Hewlett Packard) utilizing Oracle database, to include as a minimum: indexing, maintenance and system management and administrator functions for those sites not located at a Government Installation.
- d. Functional technical support for the following software applications (as a minimum) and any future software applications:
 1. AKO - Army Knowledge On-Line
 2. Windchill
 3. Lotus Notes
 4. ACMS - Automated Configuration Management System
 5. Milestone Tracking System (MTS)
 6. Business Management System (BMS)
 7. Electronic Document Library
 8. Production Database System
 9. Web based initiative web pages
 - 10.Sharepoint
 - 11.E-cabinet
 - 12.AcqPro - Acquisition Professional
 - 13.Standard Procurement System (SPS)
 - 14.MEARS - Multi user ECP Automated Review System
 - 15.WLMP - Wholesale Logistic Modernization Program
 - 16.Support for integrated database development and implementation.
 - 17.Pro-Engineer based software
- e. Functional and Technical support for integrated database development and implementation.
- f. Functional and technical support for PEO-GCS (IBE /IDE) related work groups.
- g. Participation in government and privately sponsored meetings/events concerning IDE related issues that may include travel.
- h. Support for Internet portal design and maintenance.

C.3.6.1.4 To ensure that contract deliverables are TACOM and PEO IBE compliant, the deliverables shall be in electronic or digital format, as computer data files, to be provided in a mutually agreeable means, format, and media. The Government retains the option to receive any or all contract deliverables in hardcopy format (printed pages) as specified by individual Work Directive.

C.3.6.1.5 The Contractor shall be permitted remote or local access to the TACOM-Wide Local Area Network (TWLAN) System as requested in the Work Directive. The Contractor shall be able to download files to a LAN file server, or alternatively provide files on mutually agreeable magnetic media, e.g., 1.44 floppy disk/CD-ROM/ZIP/JAZ. The Contractor shall have access to the Mobile Electric Power (MEP) LAN, Government web-based databases (e.g. OSMIS, P&R Form, Web Army RDA Budget Update Computer System (WARBUCS), Line Information Database (LIDB), and AIM) and AMCOM wide LAN.

C.3.6.1.6 The Contractor shall use computer software that is compatible with the hardware/software utilized by specified PEO-GCS organizations.

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C.3.6.1.7 The Contractor shall establish a security system as well as enforce data protection and integrity standards in accordance with DoD-5200.28 and DoD-5220.22-M. Controls to prevent unauthorized access shall be established such as control passwords and log-on IDs for authorized personnel. The Contractor shall incorporate a system application that verifies user authorization at each access attempt. The Contractor shall identify all system security vulnerabilities and implement a disaster recovery plan.

C.3.6.1.8 The Contractor shall ensure that all websites are Section 508 compliant.

C.3.6.1.9 The Contractor shall conduct appropriate tradeoffs/studies/analyses to support the IDE approach. The status of these studies shall be reviewed at appropriate program reviews and the results documented as part of the detailed design. Examples of such studies include: improved alternative data generation and delivery modes; infrastructure compatibility and recommended upgrades; digital data delivery vs. access; analysis of telecommunication alternatives; and functional integration cost/benefit studies.

C.3.6.1.10 The Contractors approach shall include an IDE architecture that will drive the IDE design and implementation. In addition to maintaining the capacity to retrieve data from legacy systems, the IDE architecture shall allow for the interface with program office information systems. These external interfaces must evolve to meet the programs IDE needs.

C.3.6.1.11 The Contractor shall develop and implement procedures for establishing and administering user accounts for the IDE. The Contractor shall provide browser-based access to Contractor-developed or owned applications.

C.3.6.1.12 The Contractor shall develop, maintain, and implement a training program to ensure users are able to operate within the IDE and understand their roles and responsibilities within the IDE processes. The training program shall be designed to enable a new user to effectively use the IDE to accomplish their job within 30 days of joining the program. A thorough analysis of the training needs of the target audience and the most cost effective media must be conducted early in order to facilitate an integrated development process. Maximum use of preliminary training documents and training sessions will ensure the finalized training support package meets the needs of the user audience. Electronic training technologies such as video teleconferencing, long distance, and computer-based training shall be used to enhance the effectiveness of materials and course content.

C.3.6.2 INFORMATION MANAGEMENT EMBEDDED SOFTWARE AND INFORMATION TECHNOLOGY MANAGEMENT

C.3.6.2.1 The Contractor shall support the government in the management of software-related policy, guidance, plans and reports. The Contractor shall be required to make assessments and recommendations and provide technical support for implementing software management program documents and reports in the functional areas including:

- a. Software metrics
- b. Software reuse
- c. Software engineering
- d. Domain analysis and management
- e. Information technology
- f. Embedded Software
- g. Software Security

C.3.6.2.2 The Contractor shall research pertinent programmatic, strategic and technical information databases throughout the U.S. Army and DoD services and develop PM-unique databases in support of existing and planned system acquisition programs, reduction of program life cycle costs, and logistical support management.

C.3.6.2.3 The Contractor shall provide support in data/records management and database architectural design, development, population, implementation and usage in support of program acquisition management, fleet modernization, and fleet fielding activities.

C.3.6.2.4 The Contractor shall provide assistance and consultation regarding the use of existing information technology resources and the expansion/upgrade of such resources to effectively accomplish mission requirements.

C.3.6.2.5 Support Electronic Technical Manual (ETM)/Interactive Electronic Technical Manual (IETM), Automated Configuration Management System (ACMS), Web pages.

- a. Support for business process reengineering activities.
- b. Support for electronic commerce.
- c. Support for UNIX servers (DEC and Hewlett Packard) utilizing Oracle database, to include as a minimum indexing, maintenance and system management, and administrator Functions.

C.3.6.3 OFFICE AUTOMATION/NETWORK SUPPORT

C.3.6.3.1 The Contractor shall provide support in the areas of office automation, network administration, and computer systems administration. Tasks shall require: troubleshooting network access problems (including both hardware and software); developing and

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implementing new or augmented network features and software programs; overseeing/coordinating with DOIM and/or the TACOM Wide Local Area Network (TWLAN) contractor with regard to service calls, LAN drops, wiring, etc.; perform maintenance on file servers and files to ensure efficient operation of the network and all hardware/software; setting up new computers, modifying existing computers (installing boards, cards, mice, printers, etc.), and installing software; providing expert advice/assistance to the Government users on TWLAN or stand-alone software programs, including Novell 4.X, Windows, Microsoft Office, Lotus, WordPerfect, etc., or any programs that are selected for use by the Government; and performing administrative duties related to network/systems management, including attendance at meetings or conferences, and maintaining a database of hardware/software products. Contractor support personnel shall be required to be co-located in the Government offices as required by Work Directive. Contractor personnel shall be certified at the appropriate level for work on Government systems as required by the latest regulation. Contractors shall be required to provide web site support as required by Work Directive.

*** END OF NARRATIVE C 001 ***

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SPECIAL CONTRACT REQUIREMENTS

	<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
1	252.228-7003	CAPTURE AND DETENTION	DEC/1991
2	252.225-7043	ANTITERRORISM/FORCE PROTECTION FOR DEFENSE CONTRACTORS OUTSIDE THE UNITED STATES	JUN/1998

(a) Except as provided in paragraph (b) of this clause, the Contractor and its subcontractors, if performing or traveling outside the United States under this contract, shall-

- (1) Affiliate with the Overseas Security Advisory Council, if the Contractor or subcontractor is a U.S. entity;
- (2) Ensure that Contractor and subcontractor personnel who are U.S. nationals and are in-country on a non-transitory basis, register with the U.S. Embassy, and that Contractor and subcontractor personnel who are third country nationals comply with any security related requirements of the Embassy of their nationality;
- (3) Provide, to Contractor and subcontractor personnel, antiterrorism/force protection awareness information commensurate with that which the Department of Defense (DoD) provides to its military and civilian personnel and their families, to the extent such information can be made available prior to travel outside the United States; and
- (4) Obtain and comply with the most current antiterrorism/force protection guidance for Contractor and subcontractor personnel.

(b) The requirements of this clause do not apply to any subcontractor that is-

- (1) A foreign government;
- (2) A representative of a foreign government; or
- (3) A foreign corporation wholly owned by a foreign government.

(c) Information and guidance pertaining to DoD antiterrorism/force protection can be obtained from HQDA (DAMO-ODL)/ODCSOP; telephone, DSN 225-8491 or commercial (703) 695-8491. For additional information: Assistant Secretary of Defense for Special Operations and Low Intensity Conflict, ASD(SOLIC); telephone, DSN 255-0044 or commercial (703) 695-0044.

[End of Clause]

H.1 REQUIREMENT FOR SUBCONTRACTING WITH SMALL BUSINESSES

The Contractor is required to utilize Small Businesses for not less than 15% of the total dollar value of the orders issued in a given twelve month period of performance of effort. Consequently, if a large business is the successful offeror, it will be required to subcontract a minimum of 15% of the work to small businesses. On the other hand, if a small business is the successful offeror, the prime will be required either to, itself perform 15% of the work, or subcontract a minimum of 15% of the work to small businesses.

- H.1.1 The Contractor shall provide a summary of his subcontracted effort to small businesses showing the percentage and dollars awarded during each twelve month period of performance for all orders issued during that period. The Contractor shall provide this summary on a semi-annual basis as a part of the monthly progress report.
- H.1.2 The Government will review the Contractor's compliance with the 15% of Small Business subcontracted effort on a semi-annual basis.

H.2 FIXED PRICE ORDERS

- H.2.1 The Government reserves the right to issue task orders on a Firm Fixed Price(FFP) basis after negotiation with the Contractor.
- H.2.2 In the event that the parties agree that an effort shall be placed on a FFP Task Order, the contractor shall submit a fixed price proposal within 15 calendar days. This FFP proposal will identify the number of hours required to complete the effort, a breakout of the total costs involved, and should identify the proposed profit.

H.3 UNAUTHORIZED WORK/CHANGES/FUNDING

- H.3.1 The Contractor is not authorized to commence task performance prior to issuance of Task Order by the

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Contracting Officer to begin work. No unfunded and/or optional tasks are allowed.

H.3.2 Thirty days prior to the point when the contractor's budgeted amount in any task order reaches 75% of the costs specified in the task order, it shall notify the Contracting Officer in writing of whether the amount on the order will be sufficient for completion of performance , and if not, the additional dollars required. If the Government elects to fund the additional amount, it may do so unilaterally by increasing the total cost for the applicable CLIN. if the Government elects not to fund the additional amount, the Contractor is under no obligation to exceed the total costs on the task order.

H.4 CONFLICT OF INTEREST (IAW FAR SUBPART 9.5)

a. The Contractor warrants that, to the best of the Contractor's knowledge and belief, there are no relevant facts or circumstances which could give rise to an organizational conflict of interest (OCI), as defined in FAR 95, Organizational and Consultants Conflicts of Interest, or that the Contractor has disclosed all such relevant information.

b. The Contractor agrees that if an actual or potential OCI is discovered after award, the Contractor shall make a full disclosure in writing to the Contracting Officer. This disclosure shall include a description of actions, which the Contractor has taken or proposes to take, after consultation with the Contracting Officer, to avoid, mitigate, or neutralize the actual or potential conflict.

c. The Contracting Officer may terminate this contract for convenience, in whole or in part, if it deems such termination necessary to avoid an OCI. If the Contractor was aware of a potential OCI prior to award or discovered an actual or potential conflict after award and did not disclose or misrepresented relevant information to the Contracting Officer, the Government may terminate the contract for default, debar the Contractor from Government contracting, or pursue such other remedies as may be permitted by law or this contract.

d. The Contractor shall include this clause in all subcontracts and in lower tier subcontracts unless a waiver is requested from, and granted by the Contracting Officer.

e. In the event that a Task Order is issued to the Contractor that would require activity that would create a potential conflict of interest, the Contractor shall:

- (1) Notify the Contracting Officer of a potential conflict, and;
- (2) Recommend to the Government an alternate tasking approach which would avoid the potential conflict, or
- (3) Present for approval a conflict of interest mitigation plan that will:
 - i. Describe in detail the Task Order requirement that creates the potential conflict of interest; and
 - ii. Outline in detail the actions to be taken by the Contractor or the Government in the performance of the task to mitigate the conflict, division of subcontractor effort, and limited access to information, or other acceptable means.
- (4) The Contractor shall not commence work on a Task Order related to a potential conflict of interest until specifically notified by the Contracting Officer to proceed.
- (5) If the Contracting Officer determines that it is in the best interest of the Government to issue a Task Order, notwithstanding a conflict of interest, a request for waiver shall be submitted in accordance with FAR 9.503.

H.5 NONDISCLOSURE OF SENSITIVE AND/OR PROPRIETARY DATA

The Contractor recognizes that in the performance of this contract it may receive or have access to certain sensitive information, including information provided on a proprietary basis by carriers, equipment manufacturers and other public or private entities. The Contractor agrees to use and examine this information exclusively in the performance of this contract and to take the necessary steps in accordance with Government regulations to prevent disclosure of such information to any party outside the Government or Government designated support contractors possessing appropriate proprietary agreements, as listed in paragraphs a through d below:

- a. Indoctrination of Personnel. The Contractor agrees to indoctrinate its personnel who have access as

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to the sensitive nature of the information and the relationship under which the Contractor has possession of or access to the information. Contractor personnel shall not engage in any other action, venture or employment wherein sensitive information will be used for the profit of any party other than those furnishing the information. The Nondisclosure Agreement for Contractor Employees as shown below shall be signed by all indoctrinated personnel and forwarded to the Task Monitor for retention, prior to work commencing. The Contractor shall restrict access to sensitive/proprietary information to the minimum number of employees necessary for contract performance.

DEPARTMENT OF THE ARMY _____
NONDISCLOSURE AGREEMENT FOR CONTRACT TASK ORDER EMPLOYEES

_____, as an employee of _____, a Contractor acting under contract to TACOM in administering an unclassified and/or classified system support for cognizant Major Commands, pursuant to contract _____, agree not to disclose to any individual business entity or anyone within _____, or outside of the company who has not signed a Nondisclosure Agreement for the purposes of performing this contract: any sensitive, proprietary or source selection information contained in or accessible through this project.

I understand that information/data I may be aware of, or possess, as a result of my assignment under this contract may be considered sensitive or proprietary. Contractor responsibility for proper use and protection from unauthorized disclosure of sensitive, proprietary and source selection information is described in Federal Acquisition Regulation (FAR) section 3.104-5(b). Pursuant to FAR 3.104-5, I agree not to appropriate such information for my own use or to release or discuss such information for my own use or to release it to or discuss it with third parties unless specifically authorized in writing to do so, as provided above.

This agreement shall continue for a term of five (5) years from the date upon which I last have access to the to information therefrom. Upon expiration of this agreement, I have a continuing obligation not to disclose sensitive, proprietary, or source selection information to any person or legal entity unless that person or legal entity is authorized by the head of the agency or the contracting agency or the contracting officer to receive such information. I understand violations of this agreement are subject to administrative, civil and criminal sanctions.

THIS STATEMENT CONCERNS A MATTER WITHIN THE JURISDICTION OF AN AGENCY OF THE UNITED STATES AND THE MAKING OF A FALSE, FICTITIOUS, OR FRAUDULENT STATEMENT MAY RENDER THE MAKER SUBJECT TO PROSECUTION UNDER TITLE 18, UNITED STATES CODE, SECTION 1001.

(Signature of Contractor Employee) Date

(Contractor) (Employee Telephone No.)

(System)

b. Signed Agreements.

(1) The Contractor further agrees to sign an agreement to this effect with carriers, and other private or public entities providing proprietary data for performance under this contract. As part of this agreement, the Contractor will inform all parties of its agreement to allow certain Government designated Contractors access to all data as described in paragraph (c) below. One copy of each signed agreement shall be forwarded to the Contracting Officer (KO). These shall be signed prior to work commencing.

(2) In addition the Contractor shall be required to coordinate and exchange directly with other contractors as designated by the Government for information pertinent and essential to performance of Task Orders issued under this contract. The Contractor shall discuss and attempt to resolve any problems between the Contractor and those contractors designated by the Government. The Contracting Officer shall be notified in writing of any disagreement(s) which has (have) not been resolved in a timely manner. Furnish the Contracting Officer copies of communications between the Contractor and associate contractor(s) relative to contract performance. Further, the close interchange with between contractor(s) may require access to or release of proprietary data. In such an event, the Contractor shall enter into agreement(s) with the Government designated Contractor (s) to adequately protect such proprietary data from unauthorized use or disclosure so long as it remains proprietary. A copy of such agreement shall be provided to the Contracting Officer.

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c. Remedy for Breach. The Contractor agrees that any breach or violation of the certifications or restrictions of this clause shall constitute a material and substantial breach of the terms, conditions and provisions of the contract and that the Government may, in addition to any other remedy available, terminate this contract for default in accordance with the provisions of FAR 52.249-6. Nothing in this clause or contract shall be construed to mean that the Government shall be liable to the owners of proprietary information in any way for the unauthorized release or use of proprietary information by this contractor or its subcontractors.

H.6 NON-PERSONAL SERVICES

a. As stated in FAR 37.104b, no personal services shall be performed under this contract. No Contractor employee will be directly supervised by the Government. All individual employee assignments, and daily work direction, shall be given by the applicable employee supervisor. If the Contractor believes any Government action or communication has been given that would create a personal services relationship between the Government and any Contractor employee, the Contractor shall promptly notify the Contracting Officer of this communication or action.

b. The Contractor shall not perform any inherently governmental actions under this contract. No Contractor employee shall hold him or herself out to be a Government employee, agent, or representative. No Contractor employee shall state orally or in writing at any time that he or she is acting on behalf of the Government. In all communications with third parties in connection with this contract, Contractor employees shall identify themselves as Contractor employees and specify the name of the company for which they work. In all communications with other Government contractors in connection with this contract, the Contractor employee shall state that they have no authority to in any way change the contract and that if the other contractor believes this communication to be a direction to change their contract, they should notify the Contracting Officer for that contract and not carry out the direction until a clarification has been issued by the Contracting Officer.

c. The Contractor shall insure that all of its employees working on this contract are informed of the substance of this clause. Nothing in this clause shall limit the Government's rights in any way under any other provision of the contract, including those related to the Government's right to inspect and accept the services to be performed under this contract. The substance of this clause shall be included in all subcontracts at any tier.

H.7 DEPLOYMENT

Contractor employees that are required to work in a contingency location are authorized the following payments applied to their wages:

Hazardous Duty Pay
Danger Pay
Hardship Pay

The rates applied will be the allowable rates as determined by the State Department for the area of operation.

*** END OF NARRATIVE H 001 ***

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CONTRACT CLAUSES

	Regulatory Cite	Title	Date
1	52.228-3	WORKERS' COMPENSATION INSURANCE (DEFENSE BASE ACT)	APR/1984
2	52.228-4	WORKERS' COMPENSATION AND WAR-HAZARD INSURANCE OVERSEAS	APR/1984
3	252.228-7000	REIMBURSEMENT FOR WAR-HAZARD LOSSES	DEC/1991
4	5152.225-74-9000	CONTRACTORS ACCOMPANYING THE FORCE	NOV/2003

(a) General.

(1) Performance of this contract may require deployment of Contractor Personnel in support of military operations. The Contractor acknowledges that such operations are inherently dangerous and accepts the risks associated with contract performance in this environment.

(2) For purposes of this clause, the term ``Contractor Personnel'' refers to the Contractor's officers and employees. Unless otherwise specified (e.g., subparagraph (b) of this clause), this term does not include personnel who permanently reside in the country where contract performance will take place.

(3) The Contractor shall ensure that Contractor Personnel working in an area of operations (AO, as defined in the Joint Publication 1-02, ``DOD Dictionary of [[Page 6674]] Military and Associated Terms'') are familiar and comply with applicable:

- (i) Military Service and Department of Defense regulations, directives, instructions, general orders, policies, and procedures, in particular Army Regulation 715-9 and Field Manual 3- 100.21;
- (ii) U.S., host country, local, and international laws and regulations; and
- (iii) treaties and international agreements (e.g., Status of Forces Agreements, Host Nation Support Agreements, and Defense Technical Agreements) relating to safety, health, force protection, and operations under this contract.

(4) The Contractor shall ensure that this clause is included in all subcontracts.

(b) Compliance with Combatant Command Orders. The Contractor shall ensure that Contractor Personnel, regardless of residency status, working in the AO comply with all orders, directives, and instructions of the combatant command relating to non-interference in military operations, force protection, health, and safety. The Combatant Commander or his subordinate commanders, in conjunction with the Contracting Officer or the Contracting Officer's Representative, may direct the Contractor, at the Contractor's own expense, to replace and, where applicable, repatriate any Contractor personnel who fail to comply with this provision. Such action may be taken at the Government's discretion without prejudice to its rights under any other provision of this contract, including the Termination for Default clause.

(c) Contractor Personnel Administration.

(1) In order to maintain accountability of all deployed personnel in the AO, the Contractor shall follow instructions issued by the Army Materiel Command's Logistics Support Element (AMC LSE) or other Contracting Officer's designated representative to provide, and keep current, requested data on Contractor Personnel for entry into military personnel database systems.

(2) The Contractor shall coordinate with the AMC LSE or other Contracting Officer's designated representative for logistics support, as follows: (i) Upon initial entry into the AO; (ii) upon initiation of contract performance; (iii) upon relocation of contract operations within the AO; and (iv) upon exiting the AO.

(3) Before deployment, the Contractor shall ensure that:

- (i) All Contractor Personnel complete two DD Forms 93, Record of Emergency Data Card. One copy of the completed form shall be returned to the Government official specified by the Contracting Officer's designated representative; the other shall be hand-carried by the individual employee to the AO.
- (ii) All required security and background checks are completed.
- (iii) All medical screening and requirements are met.

(4) The Contractor shall ensure that Contractor Personnel have completed all pre-deployment requirements specified by the Contracting Officer's designated representative (including processing through the designated Continental United States (CONUS) Replacement Center unless another deployment processing method is specifically authorized), and the Contractor shall notify the Contracting Officer's designated representative that these actions have been accomplished.

(5) The Contractor shall have a plan for timely replacement of employees who are no longer available for deployment for any reason, including mobilization as members of the Reserve, injury, or death.

(d) Clothing and Equipment Issue.

(1) To help distinguish them from combatants, Contractor Personnel shall not wear military clothing unless specifically authorized by a written Department of Army waiver. Contractor Personnel may wear specific items of clothing and equipment required for safety and security such as ballistic or NBC (Nuclear, Biological, Chemical) protective clothing. The CONUS Replacement Center or the combatant command may provide to the Contractor Personnel military unique Organizational Clothing and Individual Equipment (OCIE) to ensure security and safety.

(2) All issued OCIE shall be considered Government Furnished Property, and will be treated in accordance with Government Furnished Property clauses included elsewhere in this contract.

(e) Weapons and Training.

(1) Contractor Personnel may not possess privately owned firearms in the AO. The combatant command may issue weapons and ammunition to Contractor Personnel, with the employee's company's consent as well as the individual employees' consent, and may require weapons and other pre-deployment training.

(2) The Contractor shall ensure that Contractor Personnel follow all instructions by the combatant command, as well as applicable Military Service and DoD regulations, regarding possession, use, safety, and accountability of weapons and ammunition.

(3) All issued weapons, ammunition, and accessories (e.g., holsters) shall be considered Government Furnished Property. Upon

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redeployment or notification by the combatant command, the Contractor shall ensure that all Government issued weapons and unused ammunition are returned to the point of issue using a method that complies with Military Service regulations for issue and turn- in of firearms.

(f) Vehicle and Equipment Operation.

(1) The Contractor shall ensure that Contractor Personnel possess the required licenses to operate all vehicles or equipment necessary to perform the contract in the AO.

(2) Contractor-owned or leased motor vehicles or equipment shall meet all requirements established by the combatant command and shall be maintained in a safe operating condition.

(g) Passports, Visas and Customs. The Contractor is responsible for obtaining all passports, visas, and other documents necessary for Contractor Personnel to enter and exit any AO.

(h) Purchasing Limited Resources. When the Combatant Command establishes a Commander-in-Chief Logistics Procurement Support Board (CLPSB), Joint Acquisition Review Board, or similar purchase review committee, the contractor will be required to coordinate local purchases of goods and services designated as limited, in accordance with instructions provided by the Administrative Contracting Officer or the Contracting Officer's designated representative.

(End of Clause)

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LIST OF ATTACHMENTS

<u>List of Addenda</u>	<u>Title</u>	<u>Date</u>	<u>Number of Pages</u>	<u>Transmitted By</u>
Attachment 001	PRICING SCHEDULE	27-JAN-2004	015	DATA
Attachment 002	CDRLS	04-DEC-2003	002	DATA